

Species Presence as indicated by Scent Station Survey

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Carnivores of Prince William Forest Park

**Community structure, movement patterns,
and conservation concerns**

Objectives

- Systematically survey and document species occurrence
- Estimate relative abundance by species and community
- Quantify habitat relationships of various species at different spatial scales
- Propose protocols and appropriate techniques for sampling so that research activities on carnivores of PRWI can be replicated in subsequent years



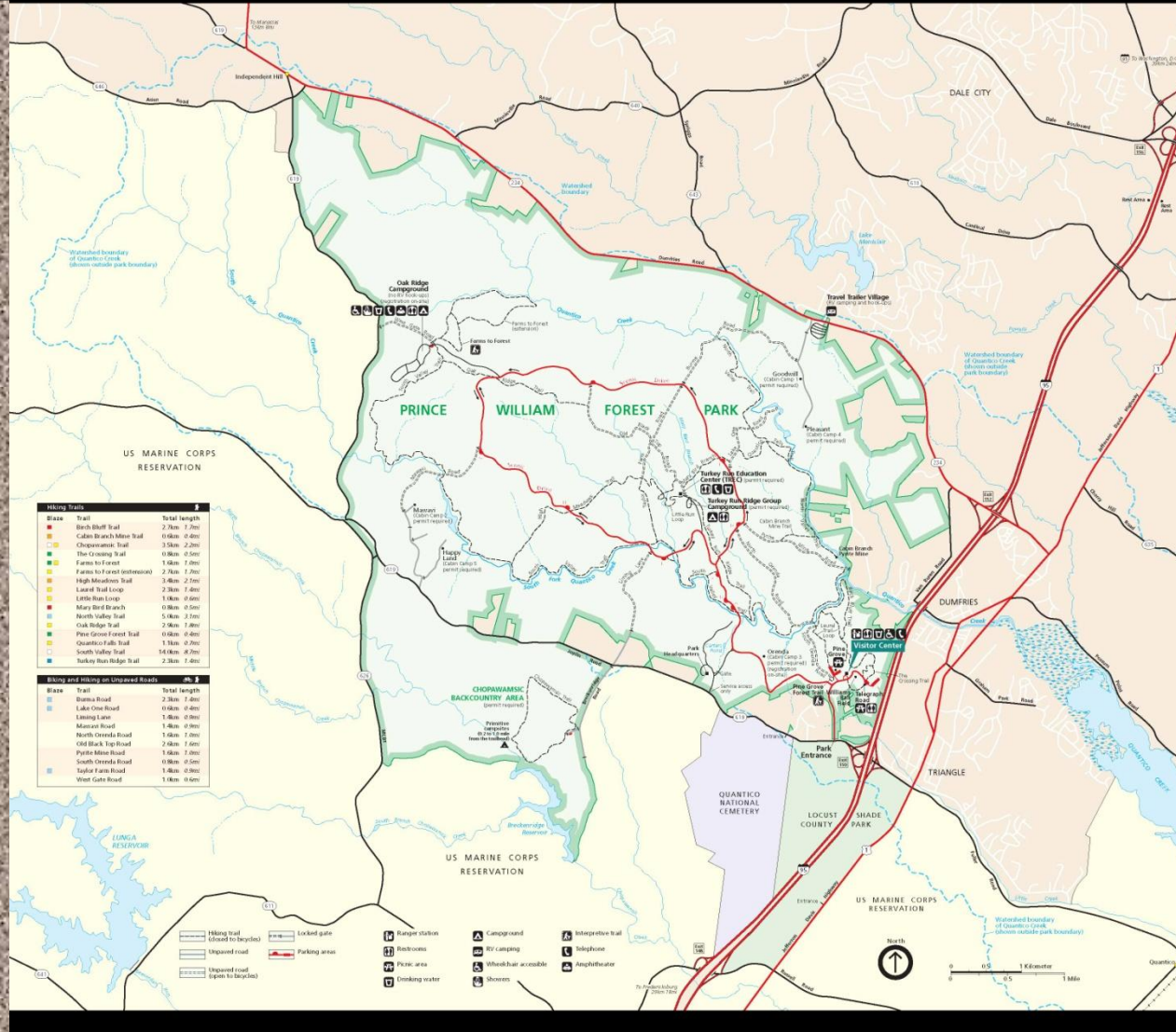
Carnivore Characteristics

- Low reproductive rates, low density
- Large home ranges
- Shy, elusive
- Often keystone species

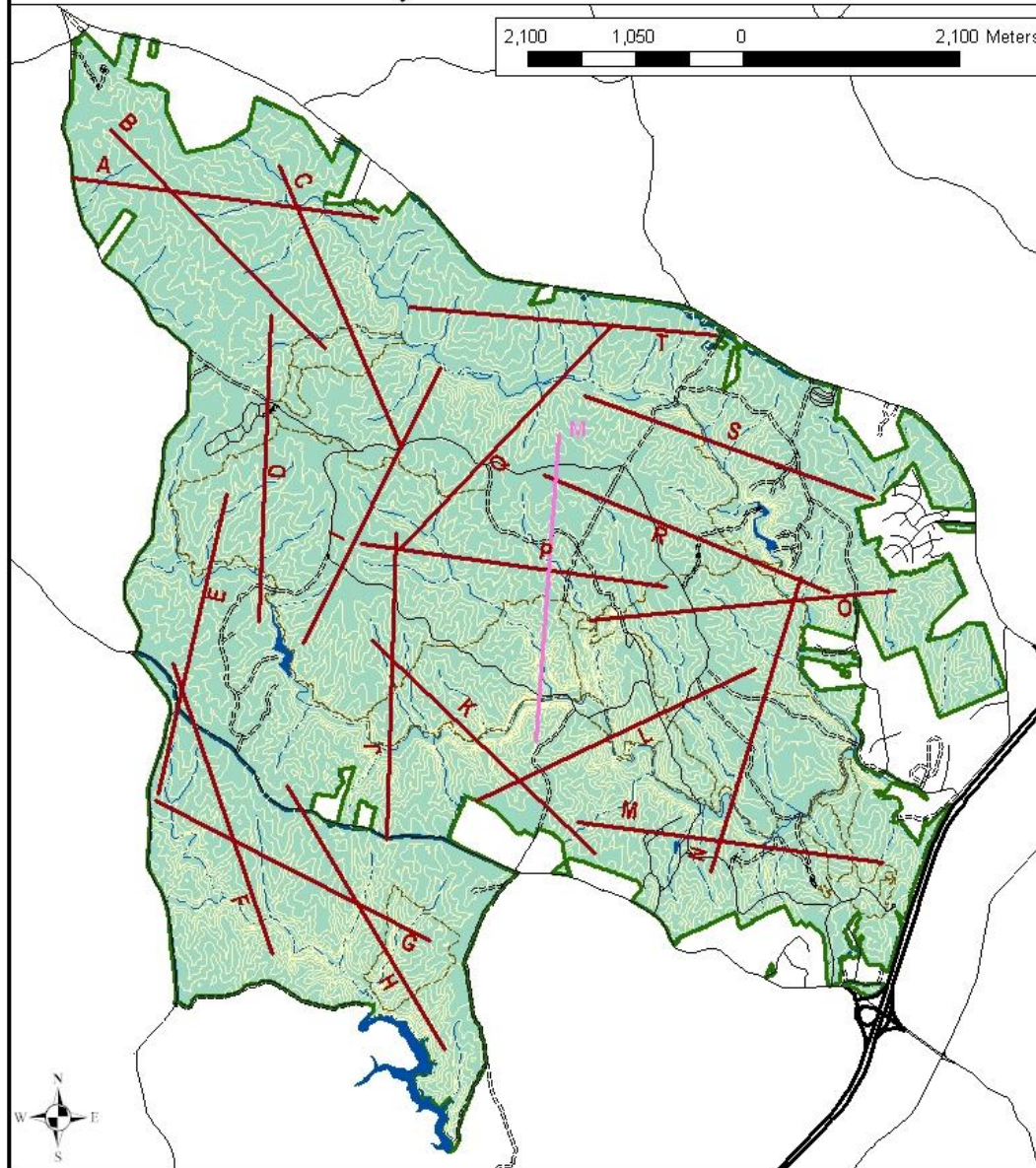


National Park Service

Prince William Forest Park



Carnivore Project Transects



Scent Stations









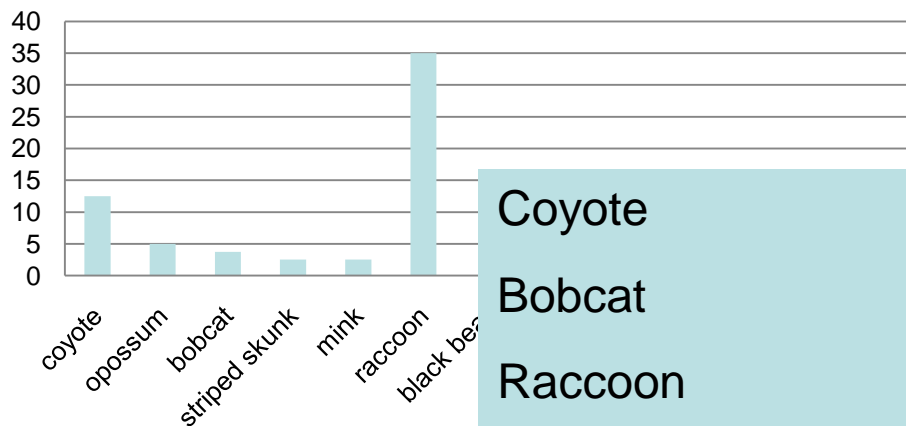


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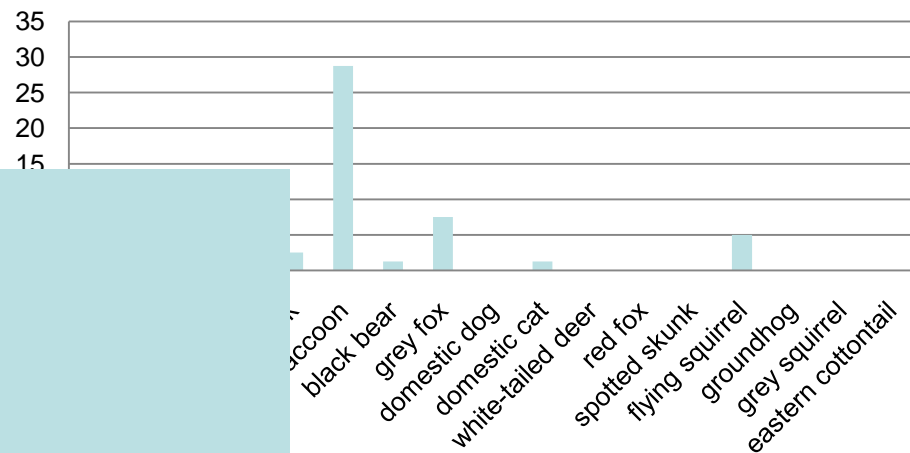
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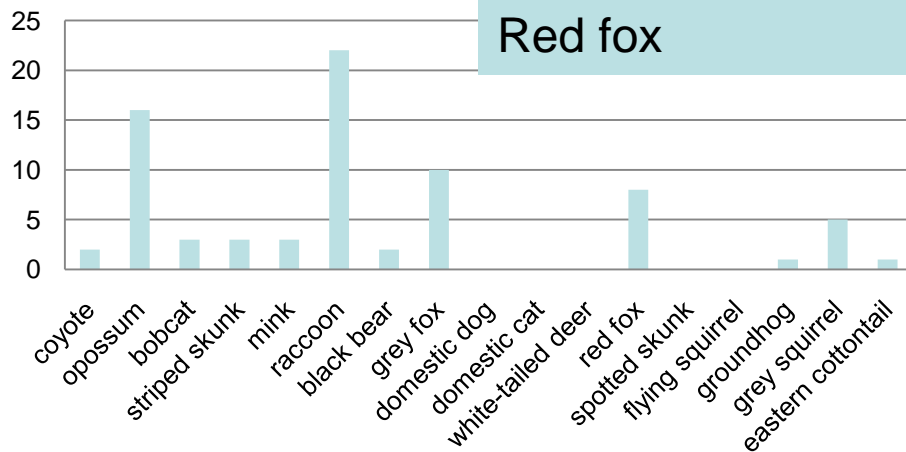
Spring



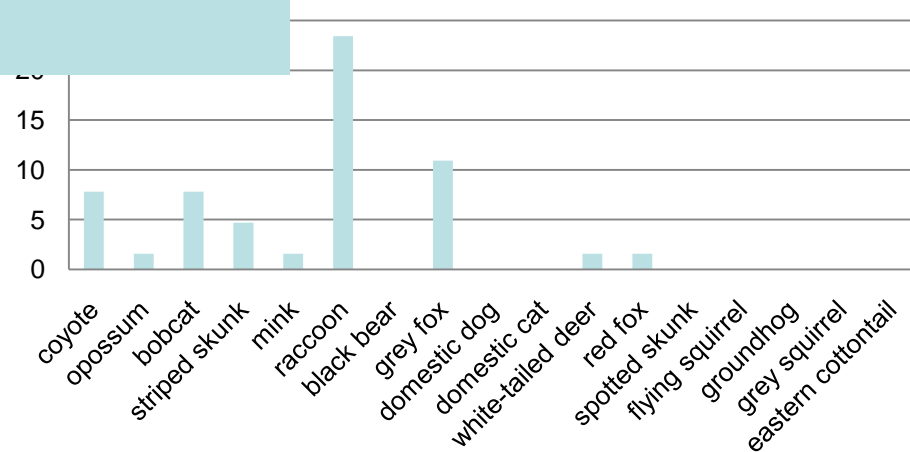
Summer



Autu



Winter



Coyote

Bobcat

Raccoon

Striped Skunk

Spotted Skunk

Mink

Black bear

Grey fox

Red fox

Ongoing analyses

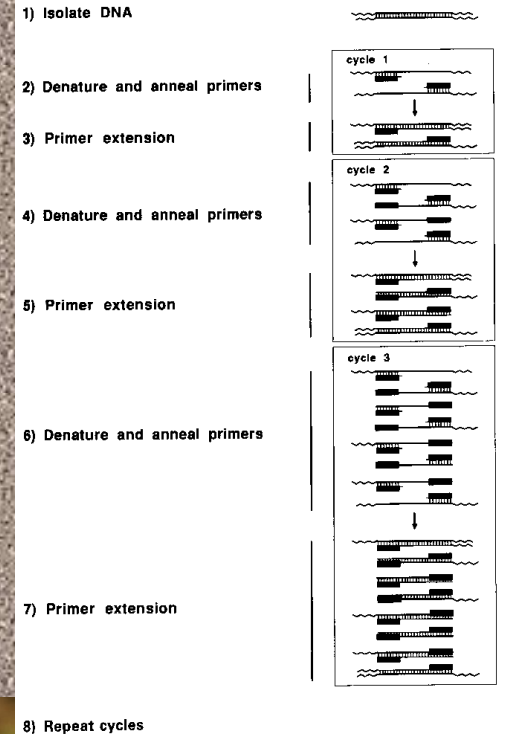
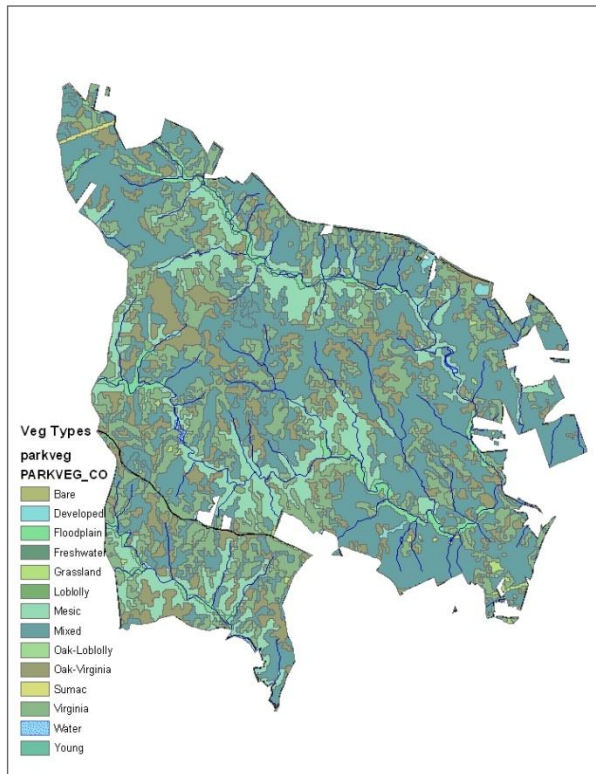


Figure 3.18. General protocol of the polymerase chain reaction for amplifying DNA (after Oste, 1988).

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